

Page 33, line 32: please replace "exits" with --exist--

Page 34, line 11: please replace "I'M" with --PM--

line 15: please replace "immunocytochernical" with --immunocytochemical--

Page 36, line 27: please replace "can1" with --can--

Page 39, line 22: please replace "tranfer" with --transfer--

Page 40, line 14: please replace "injectec" with --injected--

In the Claims:

A<sup>2</sup>

1. (Amended) A transformed [virus, microorganism, cell,] plant, [or animal,] comprising an [wherein said virus, microorganism, cell, plant, or animal is the product of an insertion of a gene] expression vector, wherein said expression vector comprises a gene encoding an invertebrate intestinal mucin (IIM) protein operably linked to an expression control sequence, [including a DNA that encodes a IIM protein sequence into a host] such that said transformed [virus, microorganism, cell,] plant[, or animal] is capable of expressing said IIM protein [in a functional form].

A<sup>3</sup>

3. (Amended) A recombinant DNA sequence comprising a DNA sequence that codes for an IIM protein, wherein a nucleic acid sequence of said recombinant DNA sequence is selected from the group consisting of

a) a cDNA sequence as shown in SEQ. ID. No. 1; and

b) a cDNA sequence as shown in SEQ. ID. No. 2.

Claim 4 is cancelled.

A<sup>4</sup>

5. (Amended) The [A] recombinant DNA sequence of claim 3, wherein said IIM protein has an amino acid sequence selected from the group consisting of:

a) an amino acid sequence as shown in SEQ. ID. No. 3; and